A1705

SMOKE SIGNALS

Air Pollution Control News from Humboldt - Trinity & Del Norte

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MAY 3 1976
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Volume 8, No. 1 First Quarter - 1976
5600 South Broadway, Eureka, California 95501 (707) 443-3091

SUBVENTION FUNDING INCREASE

The Legislative Committee of the California Air Pollution Control Officers' Association (CAPCOA) with the help of the County Supervisors' Association of California (CSAC), is actively seeking an increase in state subvention funding for local air pollution control districts. During the past four years, inflation and population increases have eroded state subvention allocations to levels far below the original per capita appropriations. Subvention decreases combined with increased federal and state program demands have placed a severe strain upon local revenue sources required in order to maintain adequate air quality control programs. New programs of air quality maintenance planning, hydrocarbon vapor control, new source review procedures and designation of air conservation areas are but a few of the expanded activities now incroporated in many local programs. Recent Senate and Assembly Finance Committee hearings have shown a favorable response to our plea for subvention assistance and minor funding relief may be made available to the local districts.

NORTH COAST BASIN FILES COORDINATED PROGRAM

The five counties of the California North Coast Air Basin have filed subvention applications with the Air Resources Board outlining the development of a coordinated basinwide air pollution control program. At its February 20, 1976 meeting, the Coordinating Council authorized C. P. Sassenrath, Director of the Humboldt County Air Pollution Control District to act as Executive Officer to review the coordinated program applications and complete other coordination requirements. A five county joint powers agreement is being circulated for execution by each of the five county district boards. New uniform basinwide regulations have been drafted by the basin technical advisory committee and will be submitted to the Coordinating Council for public hearing on May 13, 1976 at 1:00 p.m. in the Supervisors' Chambers of the Mendocino County Courthouse, Ukiah, California. Copies of the proposed regulations are available for public inspection at the offices of each county air pollution control district or may be purchased from the Humboldt County Air Pollution Control District, 5600 South Broadway, Eureka, California 95501 at a nominal price to cover costs of printing and mailing.

AIR POLLUTION VIOLATIONS

Ten violation notices were issued in Humboldt, Trinity and Del Norte Counties during the first quarter of 1976. The recurrent violations of Peterson Brothers Lumber Company of Klamath and Cal-Pacific Lumber Company of Hoopa were referred to their respective District Attorney's Offices for further action. The open burning violations by PVM Lumber Company Company and Frank Dutra received probationary sentences in Arcata Justice Court.

Date		Location	Source	Violation
1-14-76	Peterson Brothers	Klamath	Tepee Burner	Rule 40 -Visual Emissions
1-14-76	Simonson Lbr. Co.	Smith River	Tepee Burner	Rule 40 -Visual Emissions
1-15-76	Simpson Timber Co.	Mad River	Power Boiler	Rule 52a-Part.Emissions
1-19-76	Pacific Carbons Inc.	Blue Lake	Kiln	Rule 50 -Visual Emissions
1-20-76	Cal-Pacific Lbr. Co.	Hoopa	Tepee Burner	Rule 50 -Visual Emissions
1-27-76	Kimberly Clark Corp.	Wildwood	Tepee Burner	Rule 40 -Visual Emissions
2- 5-76	M & J Lumber Company	Myers Flat	Tepee Burner	Rule 50 -Visual Emissions
3- 2-76	McIntosh Lumber Co.	Blue Lake	Tepee Burner	Rule 50 -Visual Emissions
3- 8-76	PVM Lumber Company	Arcata	Tepee Burner	Rule 50 -Visual Emissions
3-20-76	SWF Plywood Company	Salyer	Tepee Burner	Rule 50 -Visual Emissions

SUSPENDED PARTICULATE MATTER
(Micrograms Per Cubic Meter)*

COUNTY	HUMBOLDT						DEL NORTE	TRINITY
Date	Eureka Health	Eureka Dept. Trans	Arcata Fire Dept.	Kneeland	Spruce Point	Trinidad	Crescent City	Weaverville
Jan. 1	60	62	44	4	26	22	29	63
7	20	14	19	5	10	21		
13	70	89	54	5	47	31	20	-
19	114	116	100	2	94	51		
25	82	97	61	2	53	28	52	-
31	45	59	44	4	54	49		
Feb. 6	83	128	87	14	44	29	43	40
12	53	71	64	11	56	60		
18	37	49	48	15	32	105	76	39
24	22	15	21	7	12	28		
Mar. 1	21	20	25	10	12	7	-	25
7	46	46	37	-	40	35		
13	46	50	42	10	33	29	30	52
19	54	48	37	12	34	91		
25	51	60	46	11	36	104	35	13
31	40	47	28	14	34	56		
Max.	114	128	100	15	94	105	76	63

*The California maximum allowable value is 100 micrograms per cubic meter for a 24 hour sample.

HEARING BOARD REVIEW

The Hearing Board of the Humboldt County Air Pollution Control District met on January 29, 1976 to review short term variance requests by the Twin Parks Lumber Company (Arcata tepee burner), and Louisiana-Pacific Corporation (Samoa power boiler). The request of the Twin Parks Lumber Company for a one day per week tepee burner variance was denied by the Board. Louisiana-Pacific's request for a 90 day variance while completing the installation of its new boiler, was approved. The Board also adopted minor adjustments in the compliance schedules of the Crown Simpson Pulp Company and Louisiana-Pacific Corporation for meeting the future requirements for odor control of miscellaneous sources at their kraft pulp mills. The date of achieving final compliance with Rule 57(c) remains unchanged.

The next meeting of the Hearing Board of the Humboldt County Air Pollution Control District is scheduled for 3:00 p.m. on April 8, 1976 in the Supervisors' Chambers of the Humboldt County Courthouse, Eureka, California. The Simpson Timber Company has petitioned the Hearing Board for a long term variance from the particulate emission limitations of Rule 52(a) of the Humboldt County Air Pollution Control District applicable to the power boilers at their Mad River Plywood Plant. Poor fuel quality has been blamed for the failure of these boilers to continue to maintain compliance with particulate regulations. New improved emission control systems are to be installed in order to provide greater reliability. Pacific Carbons Incorporated has requested a short term variance from the opacity limitations of Rule 50 of the Humboldt County Air Pollution Control District for their carbon processing plant kiln while completing the installation of an afterburner. Testimony will also be heard concerning the alleged public nuisance being caused by smoke, odor and particulate fallout from operation of a tepee burner by the McAlister Lath Company, Bayside, California.

COMPLAINT SCOREBOARD

Pulp mill odor complaints during the first quarter of 1976 were again at record low levels. Smoke complaints in March also dropped to a record low with the elimination of excessive smoke emissions by the Pacific Carbon plant in Blue Lake.

	January	February	March
Smoke	27	19	3
Fallout	3	3	2
Pulp mill odor	6	7	16
Miscellaneous other	3	1	0

AIR QUALITY SUMMARY - EUREKA

JANUARY				FEBRUARY				MARCH			
Date	TRS #1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.	Date	TRS #1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.	Date	TRS #1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.
1	0		1.0	1	0		.3	1	0	1	.4
2	0		1.1	2	2		.3	2	1	5	.9
3	0		.4	3	1		.4	3	3	3	.4
4	0		.5	4	1		.3	4	-	2	.5
5	0		.5	5	0		.3	5	-	9	.8
6	0		.7	6	2		-	6	2	3	.5
7	0		.3	7	1		-	7	0	2	.3
8	0		.3	8	1		-	8	2	3	.6
9	0		.9	9	1		-	9	2	2	.4
10	0		.6	10	-		-	10	-	2	.4
11	0		.3	11	0		-	11	0	2	.4
12	0		.8	12	0		.7	12	3	3	.4
13	1		.8	13	0		.4	13	1	1	.2
14	0		.6	14	0		.2	14	1	1	.2
15	6		.5	15	0		.2	15	1	2	.2
16	3		.4	16	1		.2	16	0	2	.4
17	0		.4	17	1		.6	17	0	1	.2
18	1		-	18	0		.6	18	0	1	.2
19	1		-	19	4		1.1	19	0	2	.6
20	0		-	20	1		1.0	20	1	2	.4
21	1		.8	21	0		.6	21	0	1	.2
22	0		.5	22	0		.2	22	0	1	.2
23	2		.3	23	1		.3	23	0	2	-
24	2		1.4	24	0		.2	24	1	1	-
25	2		.8	25	0		.2	25	1	2	-
26	0		1.3	26	0		.4	26	0	1	-
27	0		2.1	27	0		.4	27	0	2	-
28	2		1.1	28	2		.2	28	2	1	-
29	0		.3	29	1		.2	29	1	3	-
30	4		1.2	30				30	0	3	.7
31	1		.5	31				31	1	1	.6
Ave.	.8		.73	Ave.	.7		.40	Ave	.8	2.2	.42

#1 Total Reduced Sulfur
#2 COH units per 1,000 lineal feet of air sampled
D.T. - Eureka Department of Transportation

HUMBOLDT COUNTY
AIR POLLUTION CONTROL DISTRICT
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Air Pollution Control News from Humboldt - Trinity & Del Norte

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Volume 8, No. 2 Second Quarter - 1976
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BASIN COUNCIL APPROVES NEW REGS

On May 13, 1976, the Coordinating Council of the California North Coast Air Basin adopted new, uniform basinwide regulations applicable throughout the five counties which comprise the North Coast Air Basin. These new regulations are largely a consolidation of the five separate regulations which had evolved in the individual counties since the start of their air pollution control programs. The new regulations are subdivided into four separate regulation booklets:

Regulation 1 Air Quality Control Rules
Regulation 2 Open Burning Procedures
Regulation 3 Federal New Source Performance Standards
Regulation 4 National Emission Standards for Hazardous Air Pollutants

The new regulations should reduce the duplication of administrative procedures in each county, provide more consistent standards for air quality control, and improve communications with industry and other governmental agencies. The regulations will now be scheduled for final adoption by each of the five county's Air Pollution Control Boards.

SUBVENTION INCREASE APPROVED

The California Air Pollution Control Officers' Association (CAPCOA) with the help of the County Supervisors' Association of California (CSAC), has succeeded in its efforts to obtain a $500,000 increase in state subvention funding for fiscal 1976-77. This funding increase, which has now been approved by Governor Brown, will return per capita funding levels close to the original allowance designated by the Legislature. Although this increase does not provide for escalated program costs due to inflation and population increases, it marks a recognition of one of the first major achievements of the new control officers' association. The assistance of all who supported our cause for increased subvention funding is gratefully acknowledged.

BOILER VARIANCES GRANTED

The Hearing Board of the Humboldt County Air Pollution Control District met on April 8, 1976 and granted two variances for continued operation of the wood-fired boilers at Simpson Timber Company's Mad River plywood plant. The No. 1 boiler is to be brought into compliance with particulate emission standards by August 31, 1976 but long equipment delivery times prompted the Board to grant a variance until August 15, 1977 for the extensive modifications which will be made on the No. 2 boiler. A short 90 day variance was also granted to Pacific Carbons Incorporated of Blue Lake while completing installation of their new kiln exhaust gas afterburner system. Testimony was taken by the Board concerning the alleged public nuisance being caused by smoke, odor and particulate fallout from operation of a tepee burner by the McAlister Lath Company. The Hearing Board ordered a 90 day continuance in this matter while more evidence is to be gathered concerning the frequency and severity of the problem.

The next meeting of the Hearing Board is scheduled for 2:00 p.m. on July 22, 1976 in the Supervisors' Chambers of the Humboldt County Courthouse, Eureka, California. The Louisiana-Pacific Corporation has requested a variance extension from Rule 52(a) until December 31, 1976 while installing a new scrubber on its wood-fired power boiler. Additional evidence will also be presented to the Board concerning the alleged problems caused by the McAlister Lath Company tepee burner.

COMPLAINT SCOREBOARD

Pulp mill odor complaints continued their downward trend which started with the installation of new odor control systems in July, 1975. Smoke and fallout complaints were also at seasonably low levels.

	April	May	June
Smoke	8	8	7
Fallout	2	3	2
Pulp mill odor	14	18	18
Miscellaneous other	0	1	1

COORDINATED PROGRAM APPROVED

The California Air Resources Board has given conditional approval to the new coordinated air pollution control program which is now operative in the North Coast Air Basin. Approval conditions include filing copies of the basinwide agreement and new, uniform regulations with the Air Resources Board when the final subvention application is submitted. Operation of a coordinated program will increase state subvention funding by approximately 25 percent in the five North Coast counties.

PULP MILL ODOR SYSTEMS COMPLETED

The Crown Simpson Pulp Company and Louisiana-Pacific Corporation have both completed odor emission reduction programs designed to meet regulations adopted by the Humboldt County Air Pollution Control Board on February 19, 1974. These programs were completed in three increments - phase I for the recovery furnace was finished on July 1, 1975; phase II for the lime kiln was finished on January 1, 1976; phase III requiring odor controls on miscellaneous other emission sources was completed prior to July 1, 1976. Pulp mill emissions have been reduced by over 50 percent since the start of these new emission controls and citizen complaints have dropped to the lowest levels since the mills first started operating in 1965.

AIR POLLUTION VIOLATIONS

Only five violation notices were issued in Humboldt, Trinity and Del Norte Counties during the second quarter of 1976. The repeated smoke opacity violations by the M & J Lumber Company of Myers Flat were referred to the District Attorney's Office. The action against the Cal-Pacific Lumber Company of Hoopa resulted in a $125 fine for tepee burner violations.

Date	Location	Source	Violation
4- 2-76 Louisiana-Pac.Corp.	Samoa	Recovery Furnace	Rule 52a-TRS Emissions
4-27-76 Crown Simpson Pulp	Fairhaven	Smelt Dissolver	Rule 52d-Part.Emissions
5-12-76 North Coast Paving	Smith River	Asphalt	Rule 40-Visual Emissions
5-26-76 SWF Plywood	Burnt Ranch	Tepee Burner	Rule 40-Visual Emissions
6-18-76 M & J Lumber Co.	Myers Flat	Tepee Burner	Rule 40-Visual Emissions

DEPARTMENT SECRETARY RETIRES

It was with regrets, but sincere best wishes that the Air Pollution Control Department celebrated secretary Jean Rigden's retirement on July 8,1976. Jean had been our departmental secretary for the past six years and now joins her husband, Bert Rigden, in retirement and long awaited travel and vacationing. Her cheerful attitude and organization of departmental affairs will be greatly missed by those of us who worked closely with her. Jean's replacement is Lora Frediani,who has transferred over from the Welfare Department. Lora has been employed by the county for over three years and joins us with a long list of excellent recommendations.

AIR QUALITY SUMMARY - EUREKA

Date	APRIL TRS#1 High Hr. Average ppb	APRIL CO High Hr. Average ppm	APRIL Particulates #2 High 2-hr. Interval D.T.	Date	MAY TRS#1 High Hr. Average ppb	MAY CO High Hr. Average ppm	MAY Particulates #2 High 2-hr. Interval D.T.	Date	JUNE TRS#1 High Hr. Average ppb	JUNE CO High Hr. Average ppm	JUNE Particulates #2 High 2-hr. Interval D.T.
1	2	2	.6	1	1	1	.2	1	1	2	.3
2	0	3	.6	2	2	1	.5	2	4	1	.3
3	4	1	.2	3	2	1	.4	3	4	1	.3
4	1	1	.2	4	3	0	.3	4	3	1	.3
5	0	2	.3	5	2	1	.4	5	1	1	.3
6	0	3	.2	6	3	1	.3	6	1	1	.3
7	0	1	.1	7	5	2	.7	7	0	1	.3
8	0	1	.2	8	2	1	.2	8	4	1	.3
9	0	1	.2	9	0	1	.2	9	3	1	.3
10	0	2	.4	10	1	2	.5	10	2	2	.4
11	0	4	.2	11	-	1	.4	11	0	1	.3
12	0	1	.2	12	4	2	.7	12	2	1	.2
13	-	1	.5	13	-	1	.4	13	3	0	.2
14	1	1	.4	14	2	2	.4	14	2	1	.6
15	1	1	.3	15	2	1	.4	15	3	1	.3
16	2	1	.3	16	2	0	.2	16	4	1	.4
17	1	1	.2	17	4	1	.4	17	1	1	.7
18	2	1	.2	18	5	1	.4	18	0	1	.3
19	2	2	.3	19	3	1	.3	19	0	1	.3
20	2	1	.3	20	3	1	.3	20	0	1	.2
21	-	1	.4	21	1	1	.3	21	5	1	.3
22	2	1	.2	22	2	1	.2	22	6	1	.3
23	0	1	.4	23	1	1	.3	23	6	1	.4
24	1	1	.3	24	1	1	.4	24	5	1	.4
25	2	-	.2	25	4	1	.4	25	2	1	.2
26	2	1	.3	26	2	2	.4	26	4	1	.4
27	0	2	.8	27	1	1	.2	27	4	1	.4
28	0	1	.2	28	3	1	.4	28	2	2	1.2
29	2	1	.4	29	0	1	.3	29	0	1	.3
30	2	4	1.1	30	2	1	.2	30	0	0	.2
31				31	0	0	.2	31			
Ave.	1.0	1.5	.34	Ave.	2.2	1.1	.35	Ave.	2.4	1.0	.36

#1 Total Reduced Sulfur
#2 COH units per 1,000 lineal feet of air sampled
D.T. - Eureka Department of Transportation

SUSPENDED PARTICULATE MATTER
(Micrograms Per Cubic Meter)*

COUNTY	HUMBOLDT						DEL NORTE	TRINITY
Date	Eureka Health	Eureka Dept. Trans	Arcata Fire Dept.	Kneeland	Spruce Point	Trinidad	Crescent City	Weaverville
April 6	43	20	26	4	30	59	-	-
12	35	29	34	5	19	24		
18	39	47	39	10	32	41	27	16
24	49	52	38	9	31	39		
30	63	90	98	23	31	31	21	40
May 6	117	-	120	30	98	95		
12	134	194	106	20	105	128	91	24
18	48	75	66	12	66	48		
24	52	68	40	8	43	19	51	-
30	39	43	32	6	30	30		
June 5	54	73	54	13	45	39	44	29
11	43	39	40	6	57	19		
17	73	104	57	14	73	49	17	21
23	75	139	-	22	83	62		
29	58	50	38	11	36	21	22	23

*The California maximum allowable value is 100 micrograms per cubic meter for a 24 hour sample.

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Air Pollution Control News from Humboldt - Trinity & Del Norte

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Volume 8, No. 3 Third Quarter - 1976
5600 South Broadway; Eureka, California 95501 (707) 443-3091

BASINWIDE REGULATIONS ADOPTED

All five counties in the California North Coast Air Basin have adopted the uniform basinwide regulations proposed by the Coordinating Council on May 13, 1976, with some minor exceptions in new source review procedures for Northern Sonoma County regarding future geothermal developments in the Geysers area. As soon as these discrepancies are worked out, new regulations will be printed covering air pollution control rules and procedures in Del Norte, Trinity, Humboldt, Mendocino, and Northern Sonoma Counties. In addition to minimizing printing costs, these new regulations will reduce the duplication of administrative procedures, provide more consistent standards for air quality control, and improve communications with industry and other governmental agencies.

HEARING BOARD ISSUES ABATEMENT ORDER

Following testimony taken at a public hearing on September 16, 1976, the Hearing Board issued an order for the M & J Lumber Company to abate the nuisance being caused by particulate fallout originating from their mill at Myers Flat. Residents of Myers Flat who reside downwind from the M & J mill presented testimony and evidence concerning the severity of the ash and sawdust fallout problems, most of which appear to be caused by the recent expanded use of the mill's tepee burner. The Hearing Board order for abatement will become effective 30 days following its date of issuance.

At a prior Hearing Board meeting held on July 22, 1976, the Board granted a variance to the Louisiana-Pacific Corporation until December 31, 1976, for continued operation of its C. E. boiler at Samoa while completing the installation of a wet scrubber. When this project is completed, all three wood fired boilers at LP's Samoa plant will be equipped with wet scrubbers to collect the fly ash which has often caused complaints in the vicinity of the Eureka small boat harbor.

AIR POLLUTION VIOLATIONS

Eight violation notices were issued in Humboldt, Trinity and Del Norte Counties during the third quarter of 1976, mostly for excessive smoke emissions from tepee burners which had fallen into disrepair. The action against the M & J Lumber Company of Myers Flat resulted in a $375.00 fine for tepee burner violations. Peterson Brothers of Klamath was fined $625.00, suspended and placed on one year's probation for tepee burner violations in Del Norte County.

Date	Location	Source	Violation
7/29/76	Louisiana-Pacific Corp.-Arcata	Boiler	Rule 420-Part. Emissions
7/30/76	T. J. McMurray-Eureka	Open Fires	Reg. 2-Open Burning
7/30/76	Kimberly Clark-Wildwood	Tepee Burner	Rule 410-Visual Emissions
8/03/76	SWF Plywood-Salyer	Tepee Burner	Rule 410-Visual Emissions
8/03/76	SWF Plywood-Burnt Ranch	Tepee Burner	Rule 410-Visual Emissions
8/16/76	Westbrook Wood Products-Crescent City	Tepee Burner	Rule 410-Visual Emissions
8/25/76	SWF Plywood-Burnt Ranch	Boiler	Rule 410-Visual Emissions
9/23/76	Simonson Lbr. Co.-Smith River	Tepee Burner	Rule 410-Visual Emissions

COMPLAINT SCOREBOARD

Pulp mill odor complaints took a major drop during the past three months following the completion of the new odor control systems at both the Crown Simpson and Louisiana-Pacific mills. Fallout complaints greatly increased in August because of the problems caused by ash emissions from the M & J Lumber Company at Myers Flat.

	July	August	September
Smoke	7	13	8
Fallout	3	44	4
Pulp mill odor	7	1	15
Miscellaneous other	0	5	6

SUSPENDED PARTICULATE MATTER
(Micrograms Per Cubic Meter)*

COUNTY	HUMBOLDT						DEL NORTE	TRINITY
Date	Eureka Health	Eureka Dept. Trans	Arcata Fire Dept.	Kneeland	Spruce Point	Trinidad	Crescent City	Weaverville
July 5	42	31	20	11	20	19		
11	38	42	29	8	25	33	42	12
17	49	61	44	11	43	37		
23	42	66	58	21	38	21	26	37
29	58	67	65	30	41	22		
August 4	60	72	36	8	58	--	25	23
10	53	64	43	22	--	--		
16	41	--	43	6	30	--	--	22
22	39	40	34	9	40	--		
28	52	49	46	18	25	--	72	23
Sept. 3	90	79	49	25	52	28		
9	105	140	101	58	85	36	38	29
15	86	102	76	16	99	88		
21	47	85	45	15	46	15	33	31
27	84	80	71	11	62	32		

*The California maximum allowable value is 100 micrograms per cubic meter for a 24 hour sample.

AIR QUALITY SUMMARY - EUREKA

	JULY				AUGUST				SEPTEMBER		
Date	TRS#1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.	Date	TRS#1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.	Date	TRS#1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.
1	0	1	.4	1	1	1	.3	1	0	1	.4
2	0	1	.4	2	0	1	.3	2	1	1	.4
3	0	1	.2	3	0	1	.3	3	6	1	.5
4	0	1	.1	4	2	1	.4	4	1	0	.5
5	0	2	.2	5	1	2	.3	5	-	1	.1
6	0	2	.4	6	0	2	.4	6	-	0	.3
7	1	1	.4	7	1	1	.4	7	-	4	.7
8	1	0	.1	8	2	1	.3	8	1	4	.9
9	4	1	.2	9	1	1	.4	9	8	6	1.1
10	2	0	.2	10	0	1	.4	10	3	5	.6
11	1	1	.2	11	2	1	.3	11	0	1	.3
12	6	1	.9	12	2	1	.5	12	1	2	.3
13	2	1	.4	13	1	2	.3	13	0	3	.7
14	0	1	.3	14	4	1	.3	14	0	2	.4
15	1	1	.3	15	0	1	.2	15	0	2	.4
16	4	1	.3	16	0	2	.3	16	0	1	.4
17	-	1	.2	17	3	3	.6	17	0	2	.6
18	-	1	.2	18	1	2	.5	18	0	2	.2
19	2	1	.4	19	1	1	-	19	0	1	-
20	3	0	.2	20	0	2	-	20	0	3	-
21	5	1	.3	21	0	1	.2	21	3	2	-
22	3	1	.3	22	0	1	.3	22	1	-	-
23	4	1	.5	23	0	1	.3	23	1	2	-
24	3	1	.3	24	0	1	.3	24	1	3	-
25	3	0	.3	25	0	1	.4	25	1	2	-
26	4	1	.3	26	0	2	.5	26	0	2	-
27	0	1	.4	27	0	2	.6	27	1	3	-
28	1	1	.4	28	0	1	.3	28	2	3	-
29	2	1	.4	29	0	1	.6	29	0	2	-
30	2	1	.3	30	0	2	.4	30	0	1	-
31	1	1	.4	31	0	1	.5	31			
Ave.	1.9	.9	.32	Ave.	.7	1.4	.38	Ave	1.1	2.1	.50

#1 Total Reduced Sulfur
#2 COH units per 1,000 lineal feet of air sampled
D.T. - Eureka Department of Transportation

EUREKA, CA
OCT 14
1975
PM

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SMOKE SIGNALS

Air Pollution Control News from Humboldt - Trinity & Del Norte

Volume 8, No. 1 Fourth Quarter - 1976
5600 South Broadway; Eureka, California 95501 (707) 443-3001

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PULP MILL ODOR CURTAILED

December 1976 marked the first month since the kraft pulp mills started operating over ten years ago that no odor complaints were received by the air pollution control office. New pulp mill odor reduction systems were completed in July, 1976, but operational difficulties hampered their full usage until November. Elimination of the total reduced sulfur, TRS, emissions from the oxidizer off-gas system was the final stage of the three phase odor control program which was developed in 1974 with the assistance of the California Air Resources Board. This drop in odor levels was achieved in spite of the most dry, calm fall weather ever recorded on the North Coast. Final credit for the odor control systems rests with the Crown Simpson Pulp Company and Louisiana Pacific Corporation who have repeatedly been on the threshold of new technology while developing the odor control systems.

	October	November	December
Pulp mill odor	7	5	0
Smoke	8	6	3
Fallout	3	0	2
Miscellaneous	2	5	1

BASIN COUNCIL MEETING SCHEDULED

The Coordinating Council of the North Coast Air Basin has scheduled its regular quarterly meeting to be held at the Jack Tar Hotel in San Francisco at 12:00 noon on January 21, 1977. The Council will be considering several minor modifications in new source review procedures, additions to federal NSPS categories, and the adoption of composite EPA/ARB source monitoring requirements.

CAPCOA ELECTS NEW OFFICERS

The California Air Pollution Control Officers Association (CAPCOA) met in Sacramento on December 6, 1976 and elected a new slate of officers for the coming year. William Simmons, San Diego APCO, will succeed Charles Sassenrath, Humboldt APCO, as president. Edward Camarena from the Southern California APCD is the new vice-president and Jess Grisham, Siskiyou APCO, was chosen as Secretary-Treasurer. The main thrust of the meeting centered around the need for closer coordination of federal, state and local programs and the setting of Legislative priorities for the coming year. Several minor amendments in the bylaws were adopted. Dues for 1977 were increased to $10.00 per membership in order to help defray the added costs of more frequent mailings.

SUBVENTION FUNDING INCREASED

The California Air Resources Board has granted increased state subvention funding allotments for the five counties in the North Coast Air Basin following approval of the basinwide coordinated program and development of uniform regulations. Humboldt's funding has increased to $23,953 from $17,697 in the prior year. Trinity's state funding rose from $1,477 to $2,270 while Del Norte's increased from $1,846 to $3,579. Approval of the coordinated program by the ARB now allows 50-50 matching state funding for the counties' air pollution control program up to the maximum allocation.

BOILER SCRUBBERS COMPLETED

The appearance of two new steam plumes coming from Louisiana Pacific's Samoa sawmill completes the latest boiler ash collection systems at that mill. The start up of the new Kipper boiler with its air washing system and the refitting of a wet scrubber on the older C. E. boiler will lead to further reductions in particulate emissions from LP's large wood-fired boiler complex across the bay. All three of the LP boilers are equipped with wet scrubber collection systems which eliminate the flyash characteristic of uncontrolled wood-fired boilers.

HEARING BOARD ACTIVITIES

The Hearing Board of the Del Norte County APCD met on December 14, 1976 to consider a variance request by Simonson Lumber Company for continued operation of a tepee burner at its Smith River sawmill. The request was based on changing fuel loadings in the burner because of recent mill additions and modifications. After reviewing the matter, the Hearing Board granted a variance until May 15, 1977, by which time the burner shall be brought into compliance with the opacity requirements of Rule 410 of the North Coast Air Basin.

ANNUAL AIR QUALITY SUMMARY

1976 was one of the driest years in northern California history. Prevailing high pressure weather systems kept Pacific storms from moving into the north coast, causing poor conditions for the atmospheric dispersal of air pollutants. The normal wet months of November and December were sunny and dry with prolonged inversions forcing air quality to the lowest levels recorded in over five years. The relocated particulate sampler at Trinidad confirmed earlier suspicions that suspended material concentrations at a coastal sample site are highly dependent on the degree of exposure of the sampler to direct sea spray and windblown sand. An annual geometric mean of 39 micrograms per cubic meter was obtained this year at the relatively sheltered Trinidad Head lighthouse as contrasted with the 1976 value of 56 micrograms per cubic meter at a more exposed beach front location.

A particulate sampler was also operated at the 2800 foot elevation level of Kneeland overlooking Humboldt Bay. An amazingly low annual geometric mean of 9 micrograms per cubic meter was measured at that clean air location.

SUMMARY OF SUSPENDED PARTICULATE MATTER

HUMBOLDT, DEL NORTE & TRINITY COUNTIES

(Annual Geometric Means in
microgram per cubic meter by Hi-Vol Method*)

LOCATION	1969	1970	1971	1972	1973	1974	1975	1976
Arcata-Downtown	89	58	49	45	47	61	48	49
Arcata-Guintoli Lane					51			
Blue Lake		76	72	54	43			
Crescent City				50	48	52	48	40
Eureka-Dept. of Trans.		69	56	49	56	62	60	62
Eureka-Downtown	73	51	46	50	49	54	53	56
Eureka-Ft. Humboldt		60						
Eureka-Gen. Hospital		38	38	41				
Fortuna		37	33	37				
McKinleyville		57	58				40	
Samoa		104	77	77	94	126	74	
Trinidad							56	39
Weaverville					61	30	31	31
Spruce Point								41
Kneeland								9

*The California standard is 60.

SUSPENDED PARTICULATE MATTER
(Micrograms Per Cubic Meter)*

COUNTY	HUMBOLDT						DEL NORTE	TRINITY
Date	Eureka Health	Eureka Dept. Trans	Arcata Fire Dept.	Kneeland	Spruce Point	Trinidad	Crescent City	Weaverville
Oct. 3	60	74	43	10	39	50	40	18
9	39	44	35	13	37	23		
15	45	70	60	22	50	26	40	30
21	56	66	55	20	61	44		
27	109	136	--	30	71	75	91	41
Nov. 2	40	51	47	9	43	28		
8	85	95	95	17	59	53	76	64
14	21	22	19	5	10	34		
20	77	85	66	11	57	59	58	48
26	125	109	47	12	68	50		
Dec. 2	58	67	67	17	57	42	78	68
8	62	54	59	14	37	39		
14	130	123	97	23	--	75	--	71
20	142	140	93	25	69	131		
26	86	102	67	11	50	58	--	53

*The California maximum allowable value is 100 micrograms per cubic meter for a 24 hour sample.

AIR QUALITY SUMMARY - EUREKA

OCTOBER				NOVEMBER				DECEMBER			
Date	TRS#1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.	Date	TRS#1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.	Date	TRS#1 High Hr. Average ppb	CO High Hr. Average ppm	Particulates #2 High 2-hr. Interval D.T.
1	0	2	.6	1	1	4	.8	1	0	3	1.1
2	2	1	.5	2	1	1	.7	2	3	2	.7
3	3	2	.4	3	3	7	1.9	3	5	3	1.2
4	1	3	.6	4	3	5	.9	4	0	2	1.0
5	3	7	1.5	5	1	4	.8	5	0	3	1.0
6	2	9	1.9	6	3	6	1.1	6	5	13	2.5
7	-	6	1.1	7	1	6	1.6	7	0	9	1.8
8	-	8	1.3	8	0	5	1.1	8	3	3	.8
9	1	0	.3	9	0	5	-	9	0	7	1.1
10	2	1	.2	10	0	6	-	10	7	11	2.0
11	3	2	.6	11	0	4	-	11	3	10	2.4
12	12	10	1.6	12	0	3	.4	12	0	6	2.0
13	3	7	-	13	0	2	.3	13	7	12	2.2
14	3	2	-	14	0	2	.4	14	0	5	1.8
15	0	3	-	15	4	3	-	15	0	10	2.0
16	0	2	-	16	3	2	-	16	0	9	1.9
17	1	3	-	17	1	2	-	17	0	5	1.3
18	0	3	-	18	3	1	-	18	7	7	2.0
19	0	3	-	19	1	3	.9	19	0	5	1.6
20	0	1	.4	20	2	3	.7	20	0	9	2.1
21	0	2	.7	21	0	1	.4	21	0	3	1.0
22	1	2	.6	22	0	1	.7	22	0	10	2.0
23	0	3	1.1	23	0	2	.6	23	0	9	1.7
24	0	2	.9	24	0	4	.8	24	0	3	1.4
25	1	6	.8	25	0	2	.5	25	0	5	1.4
26	1	4	1.0	26	0	2	.9	26	0	-	1.9
27	0	10	1.6	27	1	6	2.0	27	0	5	1.4
28	0	2	.7	28	2	4	1.8	28	0	6	1.4
29	2	5	1.4	29	1	9	2.0	29	0	5	1.0
30	0	2	.6	30	2	14	2.5	30	0	5	1.4
31	0	2	.5	31				31	0	7	1.3
Ave.	1.3	3.7	0.87	Ave.	1.1	4.0	1.03	Ave	1.3	6.4	1.56

#1 Total Reduced Sulfur
#2 COH units per 1,000 lineal feet of air sampled
D.T. - Eureka Department of Transportation

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